

Appendix B

Monitoring Results Summary Tables

The following tables contain water quality monitoring summary results for those water body subsegments targeted for monitoring from June 1998 through December 1999. It also contains results for the long-term trend sites that were maintained statewide. This monitoring arrangement is a result of LDEQ's switch to a rotating watershed or basins approach to monitoring. Four basins were targeted for intensive monitoring during the two years preceding the 2000 305(b) report. These were the Mermentau (basin 05), Vermilion/Teche (basin 06), Ouachita (basin 08) and Calcasieu Basins (basin 03). While these basins were only targeted for intensive sampling from June 1998 through December 1999, water quality data from January 1995 through December 1999, when available, was used. This is in keeping with EPA guidelines that recommend a maximum of five years worth of data be utilized in 305(b) reporting. This also agrees with previous Louisiana 305(b) reports. Water body subsegments not located in the four targeted basins, or not containing one of the long-term trend sites, were not reassessed for the 2000 report. Assessments from the 1998 305(b) report were brought forward for the 2000 report. Likewise, assessments for the four targeted basins found in the 2000 report will be brought forward for the 2002 report and four new basins will be assessed at that time. For more information on the rotating basin approach to monitoring please refer to Part 3, Chapter 1 of this report.

"Segment" is the unique number assigned to each named regulatory water body as defined in the LAC 33:IX.1123. While all water bodies in the state are protected by the LDEQ, subsegment water bodies are considered representative of the watershed through which they flow. Therefore, they are assigned specific numerical criteria or standards that are used for comparison to the water quality sampling data. The six digits designate a specific subsegment of the stream or lake. "Station" is a unique number assigned to all water quality sampling stations in the state. In this case 5801 is a project number representing the water quality monitoring project. The next six digits are assigned to the specific location on the stream or lake. "Sampling Station Name" is the physical location of the site. "Parameter" is the analytical parameter found to have a significant number of criteria exceedences in the monitoring data for that site. If a parameter is found to be exceeded an excessive number of times the associated use is considered "impaired". "Use" refers to the designated use found to be impaired based on the associated monitoring parameter. A complete listing of designated uses can be found in Part 3, Chapter 2. Definitions of these uses can be found in the Glossary. Please see Part 3, Chapter 2 for more details on how water quality monitoring data is assessed.

Definitions of each of the parameters used in the table are as follows:

DO – Dissolved oxygen, a water parameter required for the survival and propagation of aquatic organisms.

Turbidity – A measure of the cloudiness of the water as a result of sediments or other matter.

Fecal – Fecal coliform, a common bacteria used to indicate the potential for the presence of harmful water organisms.

TDS – Total dissolved solids, a measure of the amount of materials dissolved in the water, sometimes related to the cloudiness of the water

Chlorides and sulfates – two constituents of water that can indicate the presence of salts either natural or from man-made sources.

pH – a measure of the acid or basic nature of the water, neutral pH is 7.0 and the acceptable range of natural waters is usually 6.0-9.0

TEMP – temperature of the water, a maximum of 32-35 is generally considered acceptable.

More information on each of these parameters can be found in LAC 33:IX.1113. Criteria for each water body subsegment can be found in LAC 33:IX.1123. LAC regulations can be found on the LDEQ Website at www.deq.state.la.us.

CALCASIEU WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Not Fully Supporting One or More Uses
Based on monitoring data from 1995-1999

Segment	Station	Sampling Station Name	Parameter	Use
030101	58010819	Calcasieu River two miles NE of Slagle, La.	DO	FWP
030102	58010820	Calcasieu River east of Union Hill, La.	TURBIDITY	ONR
030104	58010821	Mill Creek southwest of Elizabeth, La.	DO	FWP
030201	58010093	Calcasieu River at Moss Bluff, Louisiana	TURBDITIY	ONR
030302	58010822	Lake Charles at the City of Lake Charles, La.	DO	FWP
030305	58010824	Contraband Bayou in the City of Lake Charles, La	DO	FWP
"	"	"	FECAL	PCR
030501	58010829	Whiskey Chitto Creek NW of Cravens, La.	FECAL	PCR
030505	58010833	Ten Mile Creek NE of Mittie, La.	FECAL	PCR
030601	58010837	Barnes Creek north of Longville, La.	TDS	FWP
030602	58010838	Barnes Creek south of Reeves, La.	DO	FWP
030603	58010839	Marsh Bayou southeast of Topsy, La.	DO	FWP
030701	58010840	Bayou Serpent southeast of Hecker, La.	DO	FWP
030702	58010131	English Bayou near Lake Charles, Louisiana	TDS	FWP
"	58010841	English Bayou north of Chloe', La.	DO	FWP
030801	58010092	Calcasieu River (W. Fork) near Lake Charles, La.	DO	FWP
030802	58010842	Hickory Branch east southeast of DeQuincy, La.	FECAL	PCR
030803	58010843	Beckwith Creek east of DeQuincy, La.	TDS	FWP
"	"	"	FECAL	PCR
030804	58010844	Little River east of Buhler, La.	DO	FWP
030805	58010845	Indian Bayou at Moss Bluff, La.	DO	FWP
030806	58010846	Houston River northeast of Sulphur, La.	DO	FWP
"	"	"	pH LO	FWP
"	"	"	TDS	FWP
"	"	"	CHLORIDE	FWP
"	"	"	SULFATE	FWP
030807	58010847	Bear Head Creek northeast of Starks, La.	DO	FWP
"	"	"	pH LO	FWP
030901	58010848	Bayou D'Inde south of Sulphur, La.	DO	FWP
031001	58010849	Bayou Choupique at Carlyss, La.	DO	FWP
031101	58010851	Intracoastal Waterway west of Boones Corner, La.	TDS	FWP
"	"	"	CHLORIDE	FWP
"	"	"	SULFATE	FWP

CALCASIEU WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Fully Supporting of all Uses

Segment	Sampling Station Name
030103	Calcasieu River near Kinder, Louisiana
"	Calcasieu River northwest of Oberlin, La.
"	Calcasieu River near Oakdale, Louisiana
030301	Calcasieu River near Lake Charles, La.
"	Bayou D'Inde near Lake Charles, La.
030303	Prien Lake SW of the City of Lake Charles, La.
030306	Bayou Verdine west of Westlake, La.
030401	Calcasieu River at Burton Landing, La.
"	Calcasieu River in Hackberry, La.
030402	Calcasieu Lake
030403	Black Lake
030502	Whiskey Chitto Creek NW of Kinder, La.
030503	Six Mile Creek NW of Pitkin, La.
030504	Six Mile Creek north of Mittie, La.
030506	Bundicks Creek northeast of Bundicks Lake
030507	Bundicks Lake
030508	Bundicks Creek SE of Dry Creek, La.
030702	English Bayou north of Chloe', La.
031002	Intracoastal Waterway NW of Hackberry, LA
031201	Calcasieu River Coastal Waters

MERMENTAU WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Not Fully Supporting all Uses
Based on monitoring data from 1995-1999

Segment	Station	Sampling Station Name	Parameter	Use
050101	58010308	Bayou Des Cannes northeast of Jennings, La.	DO	FWP
"	"	"	FECAL	PCR
"	58010647	Bayou des Cannes	DO	FWP
050102	58010648	Bayou Joe Marcel	FECAL	PCR
"	"	"	FECAL	SCR
050103	58010649	Bayou Mallet	DO	FWP
050201	58010004	Bayou Plaquemine Brule near Estherwood, La.	DO	FWP
"	"	"	TDS	FWP
"	"	"	FECAL	PCR
"	"	"	FECAL	SCR
"	58010650	Bayou Plaquemine Brule	DO	FWP
050301	58010005	Bayou Nezpique North of Basile, Louisiana	FECAL	PCR
"	58010309	Bayou Nezpique near Jennings, La.	DO	FWP
"	58010651	Bayou Nezpique	DO	FWP
050302	58010652	Beaver Creek	DO	FWP
050303	58010490	Castor Creek east of Oberlin, La.	FECAL	PCR
050304	58010653	Bayou Blue	DO	FWP
050401	58010003	Mermentau River at Mermentau, Louisiana	DO	FWP
"	58010654	Mermentau River	DO	FWP
050402	58010655	Mermentau River (Lower)	DO	FWP
050501	58010046	Bayou Queue de Tortue north of Gueydan, La.	DO	FWP
"	"	"	TDS	FWP
050601	58010098	Bayou Lacassine near Lake Arthur, Louisiana	DO	FWP
050602	58010657	Intracoastal Waterway	DO	FWP
050603	58010658	Bayou Chene	DO	FWP
050703	58010310	White Lake southwest of Abbeville, Louisiana	TDS	FWP
"	"	"	CHLORIDE	FWP

MERMENTAU WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Fully Supporting of all Uses

Segment	Sampling Station Name
050101	Bayou des Cannes
050201	Bayou Plaquemine Brule
050301	Bayou Nezpique near Jennings, La.
"	Bayou Nezpique
050401	Mermentau River
050701	Grand Lake near Talen's Landing
050702	Intracoastal Waterway at Mile 170
050802	Freshwater Bayou Canal

VERMILION-TECHE WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Not Fully Supporting all Uses
Based on monitoring data from 1995-1999

Segment	Station	Sampling Station Name	Parameter	Use
060101	58010099	Spring Creek near Glenmora, Louisiana	TURBIDITY	ONR
060102	58010311	Bayou Cocodrie northeast of Oakdale, La.	DO	FWP
"	"	"	TDS	FWP
"	58010663	Cocodrie Lake	DO	FWP
060204	58010665	Bayou Courtableau	SULFATE	FWP
060205	58010031	Bayou Teche at Breaux Bridge, Louisiana	TDS	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
060206	58010666	Indian Creek Reservoir	TEMP	PCR
"	"	"	TEMP	FWP
060208	58010104	Bayou Boeuf near Milburn, Louisiana	TDS	FWP
"	"	"	FECAL	PCR
"	58010668	Bayou Boeuf	DO	FWP
060209	58010669	Irish Ditch/Big Bayou	DO	FWP
"	"	"	CHLORIDE	FWP
060210	58010102	Bayou Courtableau at Washington, Louisiana	FECAL	PCR
"	58010670	Bayou Carron	DO	FWP
060211	58010671	West Atchafalaya Borrow Pit Canal	SULFATE	FWP
060212	58010672	Chatlin Lake Canal and Bayou DuLac	DO	FWP
"	"	"	FECAL	PCR
060301	58010673	Bayou Teche	CHLORIDE	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
060401	58010030	Bayou Teche at Adeline, Louisiana	FECAL	PCR
060701	58010675	Tete Bayou	DO	FWP
"	"	"	FECAL	PCR
060703	58010676	Bayou du Portage	DO	FWP
"	"	"	FECAL	PCR
060801	58010002	Vermilion River near Breaux Bridge, Louisiana	FECAL	PCR
"	"	"	FECAL	SCR
"	58010045	Vermilion River near Lafayette, La.	SULFATE	FWP
"	"	"	FECAL	PCR
060802	58010001	Vermilion River at Perry, Louisiana	FECAL	PCR
"	"	"	FECAL	SCR
"	58010314	Vermilion River south of Lafayette, La.	FECAL	PCR
"	"	"	FECAL	SCR
"	58010677	Vermilion River, N. of Intracoastal City, La.	DO	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
060901	58010681	Bayou Petite Anse	DO	FWP
"	"	"	FECAL	PCR
060903	58010682	Bayou Tigre	DO	FWP
060904	58010683	New Iberia Southern Drainage Canal	DO	FWP
060907	58010686	Franklin Canal	DO	FWP
060908	58010687	Spanish Lake	DO	FWP
060909	58010688	Lake Peigneur	FECAL	PCR
060911	58010690	Dugas Canal by Tiger Lagoon Oil and Gas Field	DO	FWP
"	"	"	FECAL	PCR
061001	58010691	West Cote Blanche Bay	FECAL	SFP
061002	58010692	East Cote Blanche Bay	FECAL	SFP

VERMILION-TECHE WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Fully Supporting of all Uses

Segment	Sampling Station Name
060102	Cocodrie Lake
060201	Bayou Cocodrie at St. Landry, Louisiana
060202	Bayou Cocodrie Diversion Canal
060203	Lake Chicot north of Ville Platte, Louisiana
060207	Bayou des Glaises Diversion Channel
060208	Bayou Clear
"	Loving Creek
"	Long Branch
"	Castor Creek
"	Little Bayou
"	Bayou Boeuf
060209	Brown Creek
060210	Bayou Carron
060501	Bayou Teche at Franklin, Louisiana
060601	Charenton Canal
060702	Lake Fausse Pointe east of New Iberia, Louisiana
060801	Vermilion River near Lafayette, La.
060802	Vermilion River south of Lafayette, La.
"	Vermilion River, N. of Intracoastal City, La.
060803	Vermilion River Cutoff
060804	Intracoastal Waterway
060805	Ruth Canal
060902	Delcambre Canal east of Abbeville, La.
060905	New Iberia Southern Drainage Canal
060906	Intracoastal Waterway
060910	Boston Canal
061101	Bayou Petite Anse
061102	ICWW South of Avery Island, La.
061104	Vermilion Bay south of New Iberia, La.
061105	Bird Island Bayou at North End of Marsh Island
061201	Southwest Pass of Vermilion Bay

OUACHITA WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Not Fully Supporting One or More Uses
Based on monitoring data from 1995-1999

Segment	Station	Sampling Station Name	Parameter	Use
080102	58010771	Bayou Chauvin north of Monroe, La.	DO	FWP
"	"	"	FECAL	PCR
"	"	"	FECAL	SCR
080401	58010074	Bayou Bartholomew near Bastrop, Louisiana	TURBDITIY	ONR
"	"	"	FECAL	PCR
080601	58010777	Bayou D'Arbonne near Homer, La.	TDS	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
080605	58010780	Bayou D'Arbonne in West Monroe, La.	SULFATE	FWP
080606	58010781	Cypress Creek East of Unionville, La.	TDS	FWP
"	"	"	SULFATE	FWP
080607	58010782	Corney Bayou Northwest of Summerfield, La.	DO	FWP
080610	58010325	Middle Fork Bayou D'Arbonne west of Farmerville,	TURBDITIY	ONR
"	"	"	FECAL	PCR
"	58010785	Middle Fork Bayou D'Arbonne NE of Dubach, La.	DO	FWP
080701	58010786	Bayou Desaird at control structure in Monroe, La	DO	FWP
080901	58010327	Boeuf River west of Rayville, La.	DO	FWP
080903	58010328	Big Creek east of Rayville, La.	DO	FWP
"	"	"	FECAL	PCR
080905	58010130	Turkey Creek Cut-off at Baskin, Louisiana	FECAL	SCR
080906	58010789	Turkey Creek near Jigger, La.	DO	FWP
"	"	"	TDS	FWP
"	"	"	CHLORIDE	FWP
080909	58010792	Crew Lake near Start, La.	DO	FWP
"	"	"	FECAL	PCR
081001	58010070	Bayou Macon near Delhi, Louisiana	FECAL	PCR
"	58010329	Bayou Macon east of Oak Grove, La.	FECAL	PCR
"	58010330	Bayou Macon southeast of Winnsboro, La.	FECAL	PCR
081202	58010800	Lake St. Joseph in Newellton, La.	TDS	FWP
081301	58010801	Little River in Jonesville, La.	TEMP	PCR
"	"	"	TEMP	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
081401	58010078	Dugdemona River near Hodge, Louisiana	DO	FWP
081501	58010079	Castor Creek near Tullos, Louisiana	TDS	FWP
"	"	"	CHLORIDE	FWP
"	58010332	Castor Creek west of Columbia, La.	DO	FWP
"	"	"	TDS	FWP
081503	58010334	Beaucoup Creek west of Columbia, La.	DO	FWP
"	58010805	Beaucoup Creek	DO	FWP
081504	58010806	Flat Creek southeast of Sikes, La.	DO	FWP
"	"	"	TDS	FWP
081601	58010076	Little River at Rochelle, Louisiana	TURBIDITY	ONR
"	58010808	Little River east of Georgetown, La.	TURBIDITY	ONR
081602	58010025	Little River south of Rogers, La.	TURBIDITY	ONR
"	58010089	Little River southwest of Jena, La.	TURBIDITY	ONR
"	58010809	Little River northeast of Ball, La.	TURBIDITY	ONR
"	"	"	FECAL	PCR
081603	58010810	Catahoula Lake	DO	FWP
"	"	"	FECAL	PCR
"	"	"	FECAL	SCR
081604	58010811	Catahoula Lake south of Jonesville, La.	TDS	FWP
"	"	"	CHLORIDE	FWP
081605	58010812	Little River southwest of Jonesville, La.	DO	FWP
081606	58010813	Fish Creek south of Linsecum, La.	FECAL	PCR
081611	58010818	Bayou Funny Louis southwest of Searcy, La.	FECAL	PCR

OUACHITA WATERSHED BASIN

Listing of Water Body Segments & Sampling Stations
Fully Supporting of all Uses

Segment	Sampling Station Name
080101	Ouachita River at Sterlington, Louisiana
"	Ouachita River at Monroe, Louisiana
"	Ouachita River at Columbia Lock and Dam
080201	Ouachita River at Columbia, Louisiana
"	Ouachita River at Harrisonburg, Louisiana
"	Ouachita River at Duty, Louisiana
"	Ouachita River near Jonesville, La.
080202	Bayou Louis East of Harrisonburg, La.
080203	Lake Louis West of Sicily Island, La.
080301	Black River at Jonesville, Louisiana
"	Black River south of Jonesville, La.
080302	Black River South of Book, La.
080501	Bayou De L'Outre near Monroe, Louisiana
"	Bayou De L'Outre north of Farmerville, La.
080602	Lake Claiborne at Spillway
080603	Bayou D'Arbonne near Dubach, Louisiana
"	Bayou D'Arbonne East of Dubach, La.
080604	Lake D'Arbonne at Farmerville, La.
080605	Bayou D'Arbonne near Rocky Branch, Louisiana
080608	Corney Lake at Spillway
080609	Little Corney Bayou east of Lillie, La.
"	Corney Bayou near Lillie, Louisiana
"	Corney Bayou East of Bernice, La.
080610	Middle Fork Bayou D'Arbonne NE of Dubach, La.
080801	Cheniere Creek south of West Monroe, La.
080802	Cheniere Brake Lake south of West Monroe, La.
080901	Boeuf River near Fort Necessity, Louisiana
"	Boeuf River west of Oak Grove, La.
080902	Bayou Bonne Idee Northeast of Oak Ridge, La.
080903	Big Creek near Winnsboro, Louisiana
080904	Bayou Lafourche Canal near Columbia, Louisiana
"	Bayou Lafourche Canal near Crew Lake, Louisiana
080907	Turkey Creek Lake near Extension, La.
080908	Lake Lafourche north of Rayville, La.
080912	Staulkinghead Creek (Tisdale Brake0
081001	Bayou Macon east of Oak Grove, La.
"	Bayou Macon southeast of Winnsboro, La.
"	Bayou Macon east of Wisner, La.
081002	Joe's Bayou southeast of Delhi, La.
081003	Deer Creek
081101	Lake Providence at Tensas Bayou
081201	Tensas River at Tendal, Louisiana
"	Tensas River at Clayton, Louisiana
"	Tensas River southeast of Winnsboro, La.
"	Tensas River at Jonesville, La.
081203	Lake Bruin at North end near Newellton, La.
"	Lake Bruin at Lake Bruin State Park
081401	Dugdemona River northwest of Dodson, La.
"	Dugdemona River southwest of Dodson, La.
081402	Dugdemona River near Rochelle, Louisiana
"	Dugdemona River west of Tullos, La.
081501	Castor Creek west of Columbia, La.
081502	Chatham Lake in Chatham, La.
081503	Beaucoup Creek
081505	Caney Lake near Chatham, La.
081601	Little River east of Georgetown, La.
081602	Little River southwest of Jena, La.
"	Little River northeast of Ball, La.
081604	Little River near Holloway, Louisiana
081607	Trout Creek NW of Sulfur Springs, La.
081608	Big Creek north of Fishville, La.
081609	Hemphill Creek east of Nebo, La.
081610	Old River west of Archie, La.

LONG-TERM SAMPLING SITES

Listing of Water Body Segments & Sampling Stations
Not Fully Supporting One or More Uses
Based on monitoring data from 1995-1999

Segment	Station	Name	Parameter	Use
020401	58010023	Bayou Lafourche near Donaldsonville, Louisiana	SULFATE	FWP
"	"	"	FECAL	PCR
"	58010293	Bayou Lafourche at Thibodaux, La.	FECAL	PCR
"	58010294	Bayou Lafourche at Lockport, La.	SULFATE	FWP
030201	58010093	Calcasieu River at Moss Bluff, Louisiana	TURBIDITY	ONR
040701	58010033	Tangipahoa River west of Robert, La.	FECAL	PCR
"	"	"	FECAL	SCR
"	58010108	Tangipahoa River at Arcola, Louisiana	TURBIDITY	ONR
050401	58010003	Mermentau River at Mermentau, Louisiana	DO	FWP
"	58010654	Mermentau River	DO	FWP
060401	58010030	Bayou Teche at Adeline, Louisiana	FECAL	PCR
060802	58010001	Vermilion River at Perry, Louisiana	FECAL	PCR
"	"	"	FECAL	SCR
"	58010314	Vermilion River south of Lafayette, La.	FECAL	PCR
"	"	"	FECAL	SCR
"	58010677	Vermilion River, N. of Intracoastal City, La.	DO	FWP
"	"	"	SULFATE	FWP
"	"	"	FECAL	PCR
070301	58010320	Mississippi river east of Belle Chase, La.	FECAL	PCR
"	58010322	Mississippi River west of Point a la Hache, La.	FECAL	PCR
090501	58010065	Bogue Chitto River at Franklinton, Louisiana	TURBIDITY	ONR
"	"	"	FECAL	PCR
"	"	"	FECAL	SCR
100101	58010115	Red River at Grand Ecore, Louisiana	SULFATE	FWP
"	58010120	Red River North of Shreveport, Louisiana	SULFATE	FWP
100201	58010024	Red River northwest of Marks ville, La.	SULFATE	FWP

LONG-TERM SAMPLING SITES

Listing of Water Body Segments & Sampling Stations
Fully Supporting of all Uses

Segment	Sampling Station Name
020401	Bayou Lafourche at Thibodaux, La.
"	Bayou Lafourche at Lockport, La.
030401	Calcasieu River at Burton Landing, La.
"	Calcasieu River in Hackberry, La.
040701	Tangipahoa River near Kentwood, Louisiana
"	Tangipahoa River at Arcola, Louisiana
040802	Tchefuncta River at Madisonville, Louisiana
041001	Lake Pontchartrain at Causeway Crossover #7
"	Lake Pontchartrain at Causeway Crossover #4
"	Lake Pontchartrain at Causeway Crossover #1
050401	Mermentau River
060802	Vermilion River south of Lafayette, La.
"	Vermilion River, N. of Intracoastal City, La.
070201	Mississippi River south of St. Francisville, La
070301	Mississippi River east of Plaquemine, La.
"	Mississippi River south of Litcher, La.
"	Mississippi River west of Point a la Hache, La.
080101	Ouachita River at Sterlington, Louisiana
"	Ouachita River at Monroe, Louisiana
"	Ouachita River at Columbia Lock and Dam
080201	Ouachita River at Columbia, Louisiana
"	Ouachita River at Harrisonburg, Louisiana
"	Ouachita River at Duty, Louisiana
"	Ouachita River near Jonesville, La.
081201	Tensas River at Tendal, Louisiana
"	Tensas River at Clayton, Louisiana
"	Tensas River southeast of Winnsboro, La.
"	Tensas River at Jonesville, La.
090202	Pearl River (West) Southeast of Slidell, La.
090501	Bogue Chitto River near Bush, La.
100101	Red River at Boyce, Louisiana
"	Red River North of Shreveport, Louisiana